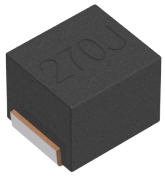
SMD / SMT Inductors (Coils)

NLV25T-6R8J-PF

RoHS Reach Halogen Free

Applications	Commercial Grade
Feature	No Directivity No Directivity Wire Wound Wire Wound Ferrite Core Ferrite Core
Series | Type	NLV25-PF
Status	Production (Not Recommended for New Design) Recommended Alternate Part No. : NLV25T-6R8J-EF (Interchangeability is not guaranteed.)
Brand	TDK



Size	
Length(L)	2.50mm ±0.20mm
Width(W)	2.00mm ±0.10mm
Thickness | Height	1.80mm ±0.10mm
Recommended Land Pattern (A)	1.00mm Nom.
Recommended Land Pattern (B)	1.50mm Nom.
Recommended Land Pattern (C)	1.50mm Nom.

Electrical Characteristics	
Inductance	6.8µH ±5% at 7.96MHz
Rated Current	165mA
DC Resistance [Typ.]	
DC Resistance [Max.]	2.7Ω
Self Resonant Frequency [Min.]	39MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	25 at 7.96MHz
Q [Typ.]	

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Wave (Flow) Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.025g

! Images are for reference only and show exemplary products.
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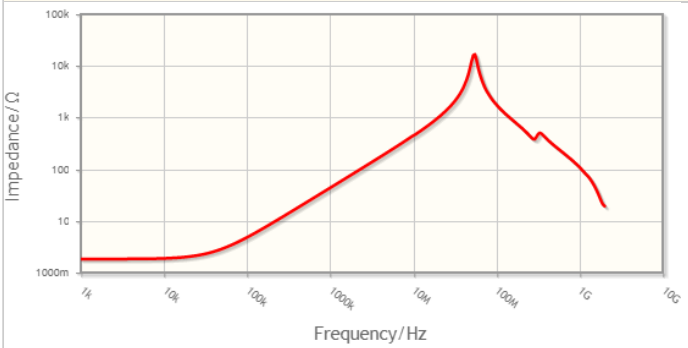
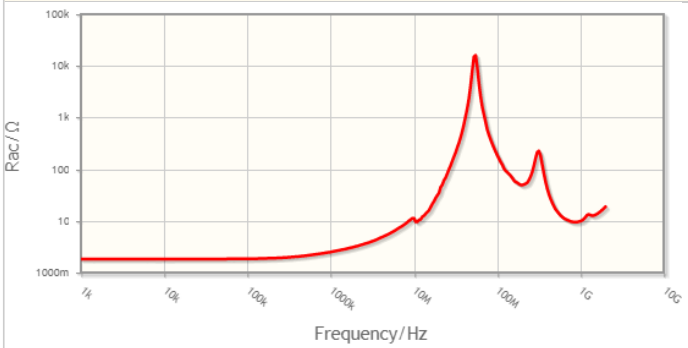
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



NLV25T-6R8J-PF

Rac



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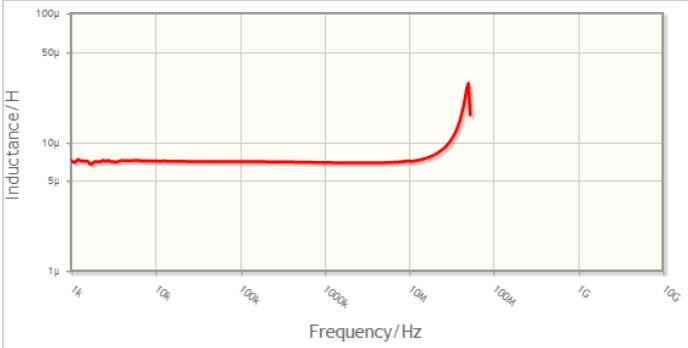
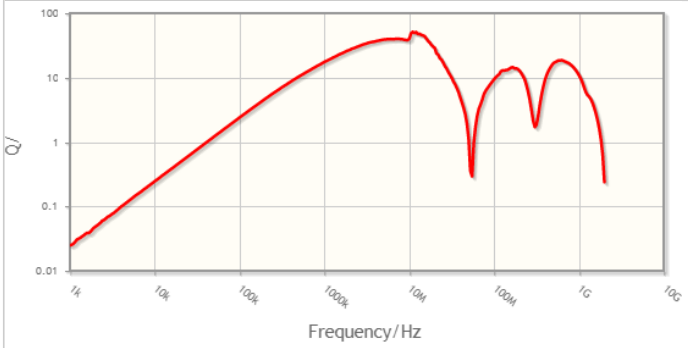
Inductance



NLV25T-6R8J-PF

Q



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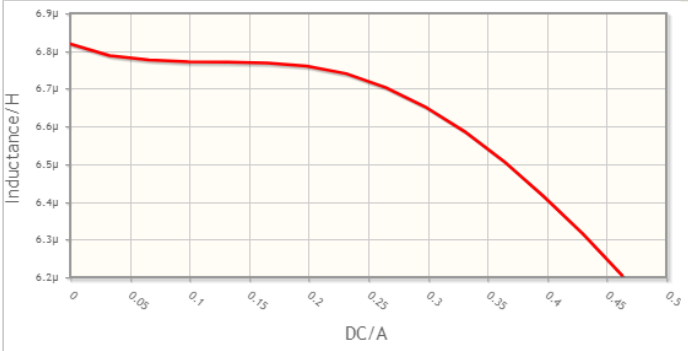
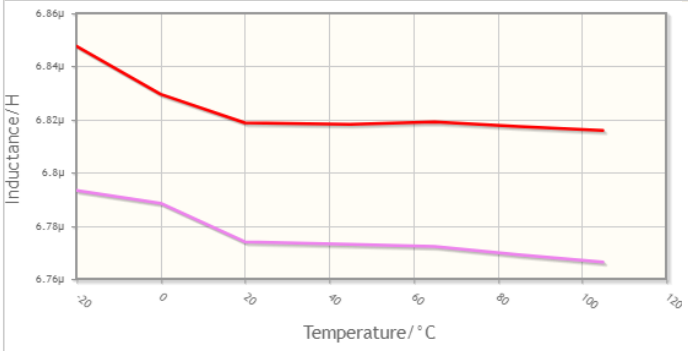
DC Bias Characteristic



NLV25T-6R8J-PF (Amb. Temp. = 20 °C)

Temperature Characteristic



NLV25T-6R8J-PF(No Bias) NLV25T-6R8J-PF(DC Bias = 0.08A)

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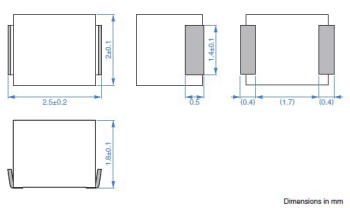
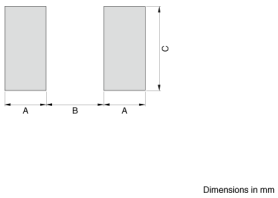
Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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